

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 10-198395

(43)Date of publication of application : 31.07.1998

(51)Int.Cl.
G10L 3/00
G10L 3/00
G10L 3/00
G10L 5/06

(21)Application number : 09-002733

(71)Applicant : ATR ONSEI HONYAKU TSUSHIN
KENKYUSHO:KK

(22)Date of filing : 10.01.1997

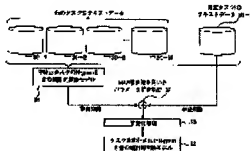
(72)Inventor : MASATAKI HIROKAZU
KOSAKA YOSHINORI

(54) STATISTICAL LANGUAGE MODEL GENERATOR AND VOICE RECOGNITION DEVICE

(57)Abstract:

PROBLEM TO BE SOLVED: To provide a generator which generates a statistical language model which more accurately predicts transition probability and is highly reliable, by providing the device with a means which generates a statistical language model which treats transition probability of N-grm (N is natural number more than one) of word for each task.

SOLUTION: Stable parameter estimation is performed using MAP estimating method in which a prior knowledge is a statistical language model including N-grm which is generated based on text data from 30-1 to 30-M of unspecified tasks, and a postprior knowledge is text data 30-i of an aimed specific task (i), and then smoothing process is performed using Back-off smoothing method. Thus, a statistical language model which includes transition probability of task-adoptive N-grm is provided. Where, text data 30-i of the aimed specific task (i) is one of text data 30-m (m=1, 2,..., M) of unspecified tasks.



LEGAL STATUS

[Date of request for examination] 10.01.1997

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number] 3027544

[Date of registration] 28.01.2000

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]